



MULTIVEX MIRROR COMPANY

Automotive Mirror Systems / Aspheric Optics

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USPTOX06.111

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Washington, D.C. 20231

June 11, 2001

SUBJECT: US Patent Application:

Inventor: Robert C. McCord

Application # 09/811,705

Filing Date: 3/18/2001

Title: Vehicle mirrors and related molds whereon the reflective surface is developed by a two-eye method involving the aniseikonia ratio ZETA of the left & right eye apparent image size pairs

RESPONSE TO: NOTICE TO FILE CORRECTED APPLICATION PAPERS

Confirmation # 9462, Date Mailed: 04/27/2001, Response time allowed is two months.

Item 1) The Claim(s) commencing on a separate sheet (37 CFR 1.75(h):

I submit a complete replacement of all pages, 1 through 36, of this application, because:

- a) beginning with page 27, all pages have been reformatted (except page 36), to accommodate the Claims commencing on a separate sheet (page 30).
- b) On page 6, improper reference was made to issued patent #5,980,050, but should have been made to US Patent Application # 09/563/016. This error is herein corrected.
- c) Symbol subscripts, omitted on page 23, are herein provided.
- d) Spelling (typographical) errors occurring on pages 27 and 31 are corrected.

Item 2) Substitute drawings in compliance with 37 CFR 1.84:

Ten Drawings, shown on eight Pages, were originally submitted with this application:


- a) Original Pages 4/8, 5/8, and 6/8, in portrait format, are in compliance with 37 CFR 1.84, and accordingly have not been resubmitted.
- b) New Pages 1/8, 2/8, 3/8, 7/8 and 8/8, in landscape format, are herewith submitted, having proper margins and lettering orientation per 37 CFR 1.84.

Applicant submits the above corrections, believing that this application is now in proper format and condition for formal examination. There have been no substantive changes from the original documents, except for the reference error described in item 1)b) above.

Submitted herewith are:

- 1) thirty-six New pages including all Specifications, the Claims, and the Abstract.
- 2) Five new Drawing Pages, including 1/8, 2/8, 3/8, 7/8 and 8/8.
- 3) Copy of NOTICE TO FILE CORRECTED APPLICATION PAPERS, PART 2.

Respectfully submitted by,


Robert C. McCord, Inventor

June 11, 2001
date



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USPEYE06.071

TITLE: Vehicle mirrors and related molds whereon the reflective surface is developed by a two-eye method involving the aniseikonia ratio ZETA of the left & right eye apparent image size pairs.

PRIOR ART SEARCH:

McCord, USA 4449786 (1984)
McCord, Australia 566375 (1984)
McCord, Canada 1239301 (1984), 1988
McCord, France 8407904 (1984)
McCord, Germany DE 34 90 696 C2 (1984), 1999
McCord, Great Britain 2168662 (1984)
McCord, Italy 1177744 (1984)
McCord, Sweden 8505963.2 (1984)
Kim, USA 4580881 (1986)
Stout, USA 4730914 (1988)
Edelman, USA 5005962 (1991)
Platzer, USA 5050977 (1991)
C.J. Albers, D.J. Albers, G.R. Sontag, Jr., USA 5084785 (1992)
Shyu, USA 5166833 (1992)
Matsumiya, USA 5563744 (1996)
Schlenke, USA 5621569 (1997)
Lupkas, USA 5691855 (1997)
McCord, USA 5980050 (1999)
McCord, USA Applic # 09/563,016; Filing date: 04/29/2000; TITLE: Vehicle mirrors, and molds for making same, having rotationally compressed aspheric optical surfaces which increase downward field of view.
SAE Technical Paper #950601: George E. Platzer (1995)
SAE Technical Paper #950602: E.J. McIsaac, V.D. Bhise (1995)
SAE Technical Paper #952654: A.E. McIntyre, R.C. McCord, G.R. Dalby (1995)
SAE Technical Paper #980918: Stephen M. O'Day (1998)

CROSS REFERENCE TO RELATED APPLICATION

This invention involves automotive vehicle mirrors and relates to McCord's USA patents #4449786 and #5980050 and to McCord's current patent application with Filing date of May 1, 2000 (see Prior Art Search). This new invention concept utilizes vehicle operator lines-of-sight for development of wide angle fields of view wherein, for right side mirror's, optical control of the mirror's surface development is principally affected by application of aniseikonia (two eye) image ratios across the substantially horizontal portion of the mirror's surface beginning left to right, which ratios are equal to the horizontal apparent image size as seen by the right eye divided by the horizontal apparent image size as seen by the left eye, for respective right eye / left eye lines-of-sight pairs, while focusing upon an object at variable distances from the mirror, producing instantaneous simultaneous aniseikonia pairs of points across the mirror's surface. This concept applies as well to left side mirrors, whereupon the image ratios are taken from right to left.

FEDERALLY SPONSORED RESEARCH OR DEVELOPMENT

Not applicable

MICROFICHE APPENDIX

Not applicable



06-12-01

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APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/811,705	03/18/2001	Robert Charles McCord	

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CONFIRMATION NO. 9462
FORMALITIES LETTER



Date Mailed: 04/27/2001

NOTICE TO FILE CORRECTED APPLICATION PAPERS

Filing Date Granted

This application has been accorded an Application Number and Filing Date. The application, however, is informal since it does not comply with the regulations for the reason(s) indicated below. Applicant is given **TWO MONTHS** from the date of this Notice within which to correct the informalities indicated below. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a)

The required item(s) identified below must be timely submitted to avoid abandonment:

- The Claim(s) commencing on a separate sheet (37 CFR 1.75(h)).
- Substitute drawings in compliance with 37 CFR 1.84 because:
 - drawing sheets do not have the appropriate margin(s) (see 37 CFR 1.84(g)). Each sheet must include a top margin of at least 2.5 cm. (1 inch), a left side margin of at least 2.5 cm. (1 inch), a right side margin of at least 1.5 cm. (5/8 inch), and a bottom margin of at least 1.0 cm. (3/8 inch);

*A copy of this notice **MUST** be returned with the reply.*

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Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE